

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042822\  
 Data File : VU048329.D  
 Acq On : 28 Apr 2022 09:55  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050105

Quant Time: Apr 29 04:24:15 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM042522WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 28 04:33:44 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 383784   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 384654   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 217962   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601   | 65    | 157863   | 44.731   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 89.460%  |
| 7) Chloroethane-d5            | 1.906   | 69    | 127080   | 51.299   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 102.600% |
| 11) 1,1-Dichloroethene-d2     | 2.568   | 63    | 274211   | 48.492   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 96.980%  |
| 21) 2-Butanone-d5             | 4.626   | 46    | 294800   | 97.938   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 97.940%  |
| 24) Chloroform-d              | 5.067   | 84    | 319615   | 49.930   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 99.860%  |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 193746   | 51.011   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 102.020% |
| 32) Benzene-d6                | 5.729   | 84    | 656485   | 54.114   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 108.220% |
| 36) 1,2-Dichloropropane-d6    | 6.690   | 67    | 206484   | 51.483   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 102.960% |
| 41) Toluene-d8                | 7.899   | 98    | 625618   | 56.893   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 113.780% |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 96091    | 54.297   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 108.600% |
| 47) 2-Hexanone-d5             | 8.639   | 63    | 223254   | 103.174  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 103.170% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 339147   | 48.215   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 96.420%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 256376   | 52.288   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 104.580% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385   | 85    | 128308   | 44.245   | ug/L   | 100      |
| 3) Chloromethane              | 1.523   | 50    | 133168   | 40.120   | ug/L   | 98       |
| 5) Vinyl chloride             | 1.607   | 62    | 147450   | 44.083   | ug/L   | 87       |
| 6) Bromomethane               | 1.855   | 94    | 61332    | 39.897   | ug/L   | 99       |
| 8) Chloroethane               | 1.925   | 64    | 105273   | 55.662   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.134   | 101   | 223666   | 51.311   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.581   | 101   | 143374   | 49.592   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.581   | 96    | 123735   | 49.031   | ug/L   | 97       |
| 13) Acetone                   | 2.633   | 43    | 216570   | 112.073  | ug/L   | 99       |
| 14) Carbon disulfide          | 2.793   | 76    | 275662   | 44.819   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.951   | 43    | 180794   | 47.132   | ug/L   | 96       |
| 16) Methylene chloride        | 3.047   | 84    | 156861   | 48.213   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 3.356   | 96    | 130666   | 49.841   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 3.366   | 73    | 461073   | 53.304   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.871   | 63    | 267301   | 48.758   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 4.668   | 96    | 164633   | 52.097   | ug/L   | 95       |
| 22) 2-Butanone                | 4.707   | 43    | 298626   | 104.506  | ug/L   | 97       |
| 23) Bromochloromethane        | 4.977   | 128   | 91028    | 51.594   | ug/L   | 94       |
| 25) Chloroform                | 5.089   | 83    | 286535   | 51.184   | ug/L   | 99       |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050105

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 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 28 04:33:44 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.797  | 62   | 212917   | 52.143  | ug/L  | 98       |
| 29) Cyclohexane               | 5.391  | 56   | 188936   | 51.986  | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 5.317  | 97   | 237812   | 54.672  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.526  | 117  | 202288   | 54.563  | ug/L  | 99       |
| 33) Benzene                   | 5.774  | 78   | 607215   | 53.318  | ug/L  | 100      |
| 34) Trichloroethene           | 6.542  | 95   | 151466   | 54.261  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.764  | 83   | 217984   | 55.621  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 167075   | 51.563  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.105  | 83   | 218348   | 53.360  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 248320   | 54.500  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.796  | 43   | 516852   | 105.758 | ug/L  | 99       |
| 42) Toluene                   | 7.970  | 91   | 667486   | 55.825  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 240410   | 54.011  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 176983   | 52.060  | ug/L  | 99       |
| 46) Tetrachloroethene         | 8.555  | 164  | 129463   | 54.039  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.690  | 43   | 430043   | 105.375 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.809  | 129  | 193855   | 51.893  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 183411   | 53.202  | ug/L  | 97       |
| 51) Chlorobenzene             | 9.449  | 112  | 446825   | 51.845  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.571  | 91   | 691691   | 55.859  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.693  | 106  | 279346   | 57.166  | ug/L  | 99       |
| 54) o-Xylene                  | 10.102 | 106  | 279368   | 56.750  | ug/L  | 100      |
| 55) Styrene                   | 10.115 | 104  | 466049   | 55.573  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 331188   | 49.361  | ug/L  | 100      |
| 59) Bromoform                 | 10.292 | 173  | 161532   | 51.066  | ug/L  | 100      |
| 60) 1,2,3-Trichloropropane    | 10.825 | 75   | 254317   | 50.016  | ug/L  | 99       |
| 61) Isopropylbenzene          | 10.484 | 105  | 710567   | 58.306  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 379821   | 59.132  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 587000   | 59.440  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.748 | 146  | 364934   | 53.412  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 361823   | 51.873  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 375624   | 52.188  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.996 | 75   | 70659    | 52.055  | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 278384   | 54.832  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 228424   | 56.950  | ug/L  | 98       |
| 71) Naphthalene               | 14.086 | 128  | 700555   | 61.032  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 241375   | 58.721  | ug/L  | 99       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

